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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/418,221	10/14/1999	NAGESH K. MAHANTHAPPA	ONV-043.01(1	8622
28120 7: ROPES & GR	590 03/12/2003 AY			
ONE INTERNATIONAL PLACE BOSTON, MA 02110-2624			EXAMINER BRANNOCK, MICHAEL T	
			ART UNIT	PAPER NUMBER
			1646	#24
			DATE MAILED: 03/12/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.



Interview Summary

Application No. 09/418,221

Applicant(s)

Mahanthappa et al.

Examiner

Michael Brannock

Art Unit 1646

All participants (applicant, applicant's representative, PTO	personnel):				
(1) Michael Brannock	(3) David Halstead				
(2) Michelle Rownes	(4)				
Date of Interview Mar 11, 2003	-				
Type: a) ☒ Telephonic b) ☐ Video Conference c) ☐ Personal [copy is given to 1) ☐ applicant	2) applicant's representative]				
Exhibit shown or demonstration conducted: d) Yes	e) 🗵 No. If yes, brief description:				
Claim(s) discussed: all					
Identification of prior art discussed: Pathi et al. and Engber et al.					
Agreement with respect to the claims f) was reached	d. g)⊠ was not reached. h)□ N/A.				
Substance of Interview including description of the general any other comments:	Il nature of what was agreed to if an agreement was reached, or				
	the artisan to perform random trial and error experimentation to				
try to find variants that work, if any could be found; and t					
burdensome assay required to determine function. Discussing Pathi et al. and Engber et al., the examiner maintained					
that an assay of ptc binding does not appear to be sufficient to use a variant in the method because the closest art of record (Engber) indicates that Sonic and not Desert HH promotes neuronal survival even though the binding properties of					
sHH and dHH are indistinguishable. Applicant argued that if human and mouse sonic hedgehog were interchangable in					
the method, then the method would at least be enabled for methods that involved variants 95% identical to either mouse					
or human sonic. However both mouse and human sHH are naturally occuring and the specification has not set forth what					
characteristics are required to consturct a protein with the properties of the naturally occuring sonic HH proteins.					
	dments which the examiner agreed would render the claims copy of the amendments that would render the claims allowable is				
i) 🛛 It is not necessary for applicant to provide a sepa	arate record of the substance of the interview (if box is checked).				
INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See Mi already been filed, APPLICANT IS GIVEN ONE MONTH FR	MAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST PEP section 713.04). If a reply to the last Office action has OM THIS INTERVIEW DATE TO FILE A STATEMENT OF THE rd of Interview requirements on reverse side or on attached				

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required